

ABSTRACT

An antenna providing easy and effective mounting procedures onto a wireless device for mobile communications and highly reliable electrical connections. The antenna contains insulating resin-made core 11 that is generally formed into a rectangular parallelepiped, and metallic thin-plate antenna element 12 from which feeding terminal 12A and joint sections 12C are extended. Antenna element 12 is disposed on top surface 11F, side surface 11B, and bottom surface 11G of core 11. Antenna element 12 is then fixed to core 11 by caulking at caulking projections 11A formed on the top surface of core 11. Feeding terminal 12A is bent to have L-shaped tip 12B on side surface 11D; similarly, joint sections 12C are bent to have L-shaped tips 12D on side surfaces 11C and 11E. These tips are bent at the same level according to the thickness of a wiring board to be soldered.

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